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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P25A-D DUAL SERIES

Jameco Part Number 221751 (P25A13-R1BU)

.FULL RANGE AC INPUT
.IEC320-C14(3PIN INLET)
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.OVER VOLTAGE PROTECTED
.APPROVALS:UL/CUL/TUV/CB/CE
.MTBF:200000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT

ORDER NO. / SPECIFICATION	P25A13-yyy		P25A14-yyy		P25A16-yyy	
SAFETY MODEL NO.	PSU25A-13		PSU25A-14		PSU25A-16	
DC OUTPUT VOLTAGE	+5V	+12V	+5V	+15V	+5V	+24V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±5%	±5%
OUTPUT RATED CURRENT	2.5A	1.0A	2.5A	0.8A	2.5A	0.5A
OUTPUT CURRENT RANGE	0.5-2.5A	0.1-1.0A	0.5-2.5A	0.1-0.8A	0.5-2.5A	0.1-0.5A
RIPPLE & NOISE	50mVp-p	100mVp-p	50mV	100mV	50mV	100mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±5%	±5%
DC OUTPUT POWER	25W		25W		25W	
EFFICIENCY	70%		72%		74%	
DC VOLTAGE ADJ.	FIXED					
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz					
AC CURRENT	0.8A/100VAC					
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET					
INRUSH CURRENT	COLD START < 60A PEAK @ 230VAC					
LEAKAGE CURRENT	<0.75mA/240VAC					
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	110%~140%					
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)					
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms					
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M Ohms min@500VDC					
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 70% LOAD, 20%~90% RH					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH					
DIMENSION	108*67*36mm (L*W*H)					
WEIGHT; Q'TY/CARTON	0.3Kgs; 54PCS/CARTON					
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL					
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11,EN55024 VERIFICATION					
LENGTH OF OUTPUT CABLE	150cm OF AWM 2464X4C,WITH SHIELDING(TYPICAL)					
PLUG OF DC OUTPUT	STANDARD PLUG R1B:DIN 5 PIN yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR					

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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